

Iowa Lake Restoration Program



Red Haw Lake (Lucas County)

Benefits to Water Quality Improvement



Use and Economic Benefits

- Six of ten Iowans visit lakes each year
- They average eight visits per year
- Statewide our lakes generate \$1.6 billion in annual spending by Iowans



Current Program



- **Prioritization of significant public lakes**
- **Factors: water quality, public benefit, feasibility of restoration**
- **Working priority list of 35 lakes**
- **Legislatively adopted plan – criteria, guidelines and goals**



Program Criteria

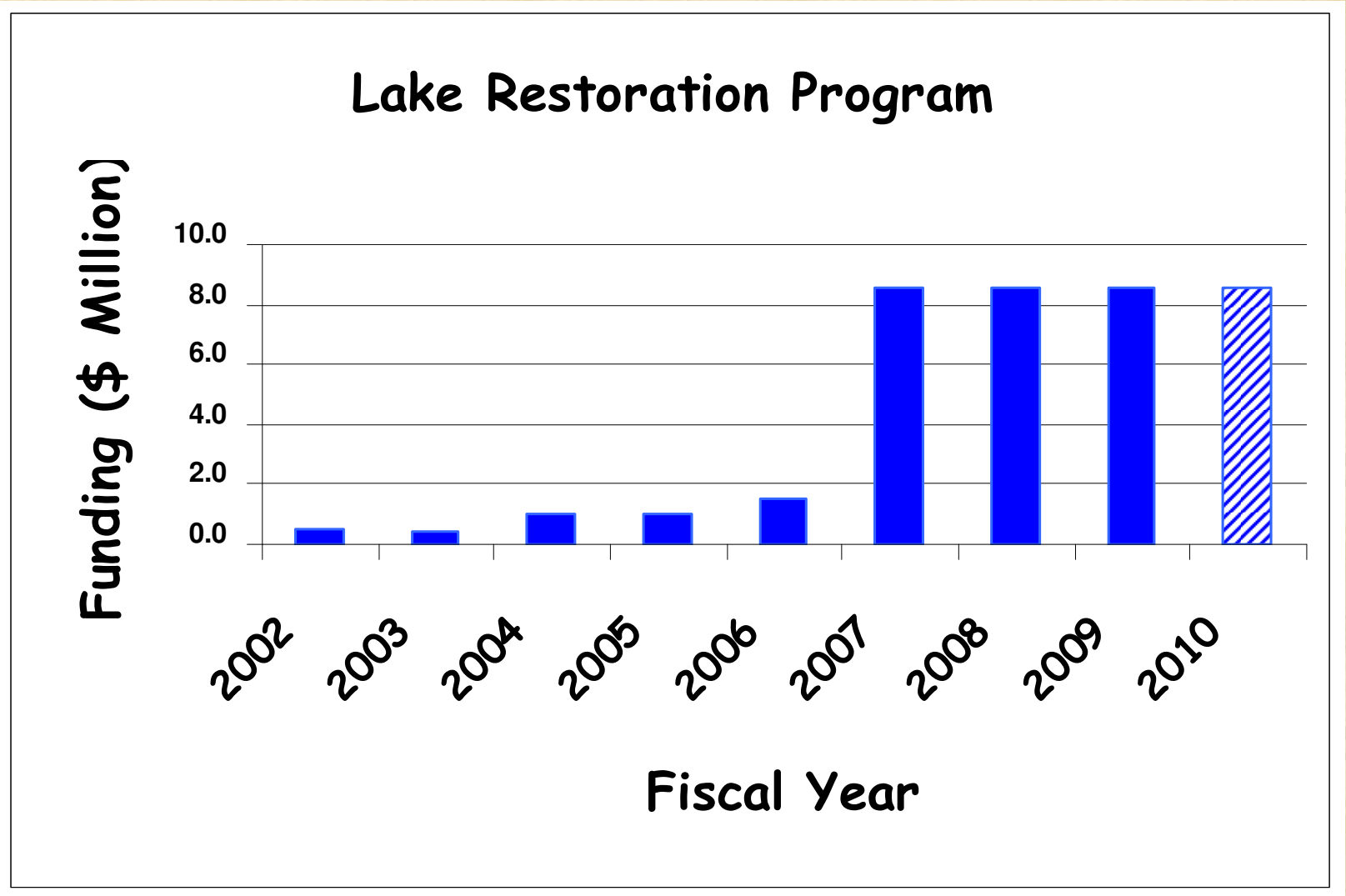
- Lake and watershed assessment and restoration plan
- Local resources in combination with state and federal funds
- Control of watershed sediment and nutrient delivery



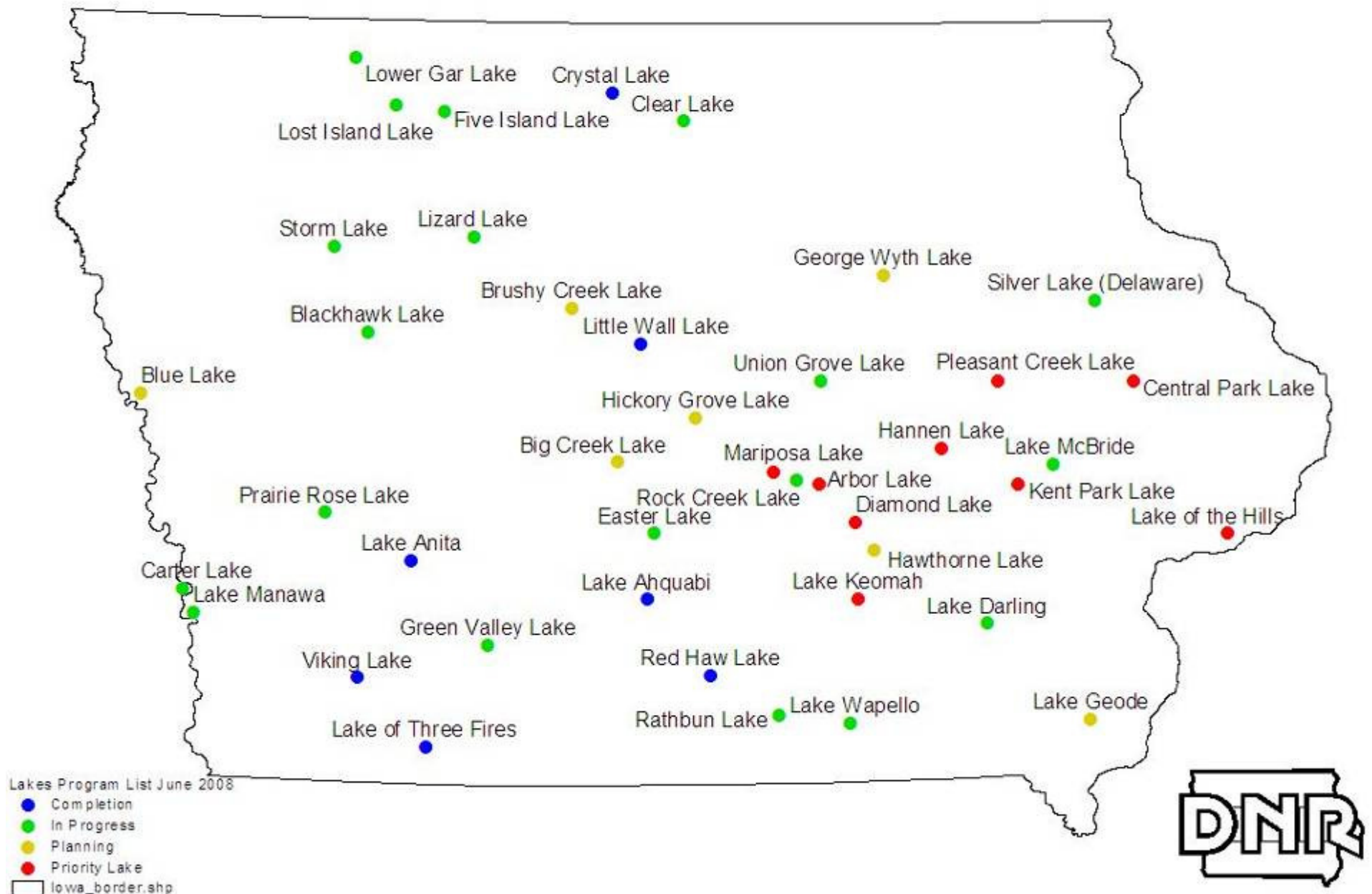
Lake Restoration Goals

- **Water Clarity**
 - **4.5 ft. achieved 50% of time April-September**
- **Beaches meet recreational use standards**
- **Healthy aquatic community established**
- **Remove lake from impaired waters list**
- **Benefits sustained for 50 years**

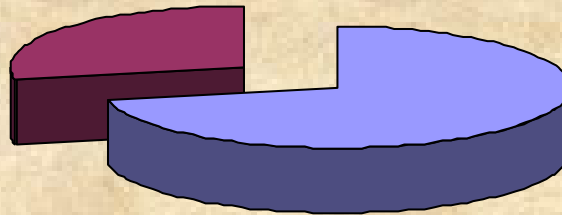
Lake Restoration - State Funding



IDNR Lakes Restoration Program



Restoring our 35 High Priority Lakes



**Watershed
\$75,000,000**

**In-Lake
\$190,000,000**

Lake of Three Fires



- Substantial watershed and in-lake improvements
- Eliminated problem fish
- Water quality goals met
- Outstanding developing fishery



- 
- From 2002-2005 Clear Lake averaged 432,312 visitors per year
 - They spent an average of \$43.4 million annually
 - Spending supported 529 jobs and \$10.8 million of labor income to the region

Post Clear Lake Renovation:

- Estimate 582,867 visitors and \$58.5 million annual spending (35% increase)
- Increased spending will support an additional \$3.8 million of labor income and 185 new jobs to the region



Ventura Marsh

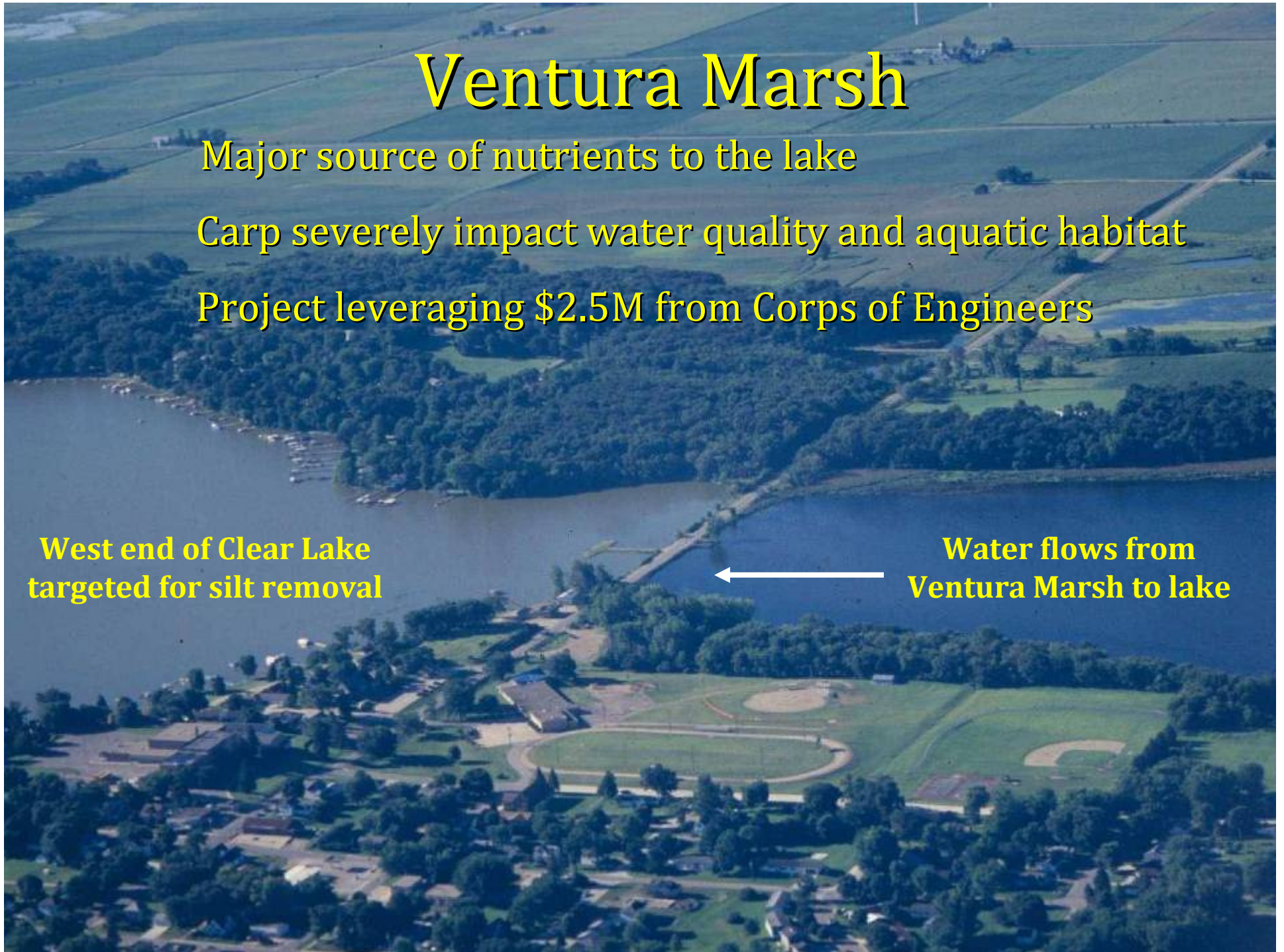
Major source of nutrients to the lake

Carp severely impact water quality and aquatic habitat

Project leveraging \$2.5M from Corps of Engineers

West end of Clear Lake
targeted for silt removal

Water flows from
Ventura Marsh to lake



Storm Lake (Buena Vista County)

"Lake restoration work for Storm Lake and its watershed has been the inspiration for the community to come together and chart its destiny into the future." Jon Kruse, Mayor of Storm Lake



Lake Darling Watershed
Installed Conservation Practices
Pre-Project thru FFY2006



- Watershed Boundary
- Lake Darling
- Project Sediment Control Structures (2001-2006)
- Project Terraces
- Pre-project Terraces
- Pre-project Sediment Control Structures
- CRP



Multi-year Component of Lake Restoration Projects

Project Name	County	Timeline
Blackhawk Lake	Sac	2010 – 2014
Carter Lake	Pottawattamie	2008 – 2010
Clear Lake	Cerro Gordo	2000 – 2010
Easter Lake	Polk	2011 – 2013
Five Island Lake	Palo Alto	1990 – 2011
Green Valley Lake	Union	2008 – 2009
Lake Darling	Washington	2008 – 2011
Lake Manawa	Pottawattamie	2009 – 2014
Prairie Rose Lake	Shelby	2011 – 2012
Rock Creek Lake	Jasper	2008 – 2013
Storm Lake	Buena Vista	2000 - 2013



For more information...

www.iowadnr.gov/water/lakerestoration/

Mike McGhee 515-281-6281
mike.mcghee@dnr.iowa.gov

George Antoniou 515-281-8042
george.antoniou@dnr.iowa.gov

